

UNITED STATES PLANT PATENT APPLICATION

of

L. PERNILLE AND MOGENS N. OLESEN

for

COMPACT FLORIBUNDA ROSE VARIETY

'POULymp'

SUMMARY OF THE INVENTION

The present invention constitutes a new and distinct variety of Compact Floribunda rose plant which originated from a controlled crossing between an Unnamed Seedling and an Unnamed Seedling. The two parents were crossed and the resulting seeds were planted in a controlled environment. The new variety is named 'POULymp'.

The new rose may be distinguished from its seed parent, an Unnamed Seedling, by the following combination of characteristics:

1. The Unnamed seed parent's flowers are yellow, where those of 'POULymp' are more golden bronze in color.
2. The growth of the Unnamed seed parent is more vigorous than that of 'POULymp'.

The new variety may be distinguished from its pollen parent, an Unnamed Seedling, created by the same inventors, by the following combination of characteristics:

1. The Unnamed pollen parent's flowers are a clear yellow, where those of 'POULymp' are a golden bronze color.
2. The growth of the pollen parent is more vigorous than that of 'POULymp'.

The objective of the hybridization of this rose variety for commercial greenhouse culture was to create a

new and distinct variety with unique qualities, such as:

1. Uniform and abundant flowers;
2. Vigorous and compact growth;
3. Year-round flowering under glasshouse
5 conditions;
4. Suitability for production from softwood
cuttings in pots;
5. Durable flowers and foliage that make a
variety suitable for distribution in the
10 floral industry.

The combination of qualities of this variety
represents significant improvement over previously
available commercial cultivars of this type and
distinguishes 'POULymp' from all other varieties of which
15 we are aware.

As part of their rose development program, L. Pernille
Olesen and Mogens N. Olesen germinated the seeds from the
aforementioned hybridization and conducted evaluations on
the resulting seedlings in a controlled environment in
20 Fredensborg, Denmark. 'POULymp' was selected by the
inventors as a single plant from the progeny of the
hybridization in Fredensborg, Denmark in the Spring of
1996.

Asexual reproduction of 'POULymp' by cuttings and
25 traditional budding was first done by L. Pernille and
Mogens N. Olesen in their nursery in Fredensborg, Denmark,

in July, 1996. This initial and other subsequent propagations conducted in controlled environments have demonstrated that the characteristics of 'POULymp' are true to type and are transmitted from one generation to the next.

BRIEF DESCRIPTION OF THE DRAWING

The accompanying color illustrations show as true as is reasonably possible to obtain in color photographs of this type, the typical characteristics of the buds, flowers, leaves, stems, and a plant of 'POULymp'.

Specifically illustrated in SHEET 1:

1. Stem showing branching and the attachment of leaves, buds and peduncles.
2. Flower bud, partially opened bud, and open bloom;
3. Flower petals, detached;

Specifically illustrated in SHEET 2:

4. Sepals, receptacle, and pedicel;
5. Foliated stem as well as a bare stems exhibiting thorns;
6. Leaves.

DETAILED DESCRIPTION OF THE VARIETY

The following is a description of 'POULymp', as observed in its growth in glasshouses in Half Moon Bay, California. Color references are made using the Royal

Horticultural Society (London, England) Colour Chart, 1995, except where common terms of color are used.

For a comparison, several physical characteristics of the rose variety 'POULsail', a Compact Floribunda rose variety from the same inventors described and illustrated in U.S. Plant Patent Application No. 09/140630 dated 26 August 1998, are compared to 'POULymp' in Chart 1.

CHART 1

	'POULymp'	'POULsail'
10 Bud color, 1/4 open.	Orange-Red Group 35A with overlay of Greyed-Red Group 179 B/C.	Red Group 39A- 43C.
15 Open flower bloom color, upper petal surface.	Yellow-Orange Group 21C.	Red Group 41C
20 Open flower bloom petal color, reverse side.	Orange-Red Group 35C.	Red Group 41C.

Parents: Unnamed Seedling X Unnamed Seedling.

Classification:

Botanical: Rosa hybrida.

25 Commercial: Compact Floribunda

FLOWER AND FLOWER BUD

Blooming habit: Recurrent.

Flower bud:

Size: Upon opening, 32 mm to 36 mm in length
 from base of receptacle to end of bud.

5 Bud form: The bud form is initially high
 centered, and pointed. Once sepals
 drop/open half way, then bud is
 cylindrical in shape.

10 Bud color: As sepals unfold, blend of Greyed-Red
 Group 179B-C and Orange-Red Group 35A.
 Blend of Greyed-Red Group 179C and
 Orange-Red Group 35A at $\frac{1}{4}$ opening.

15 Sepals: Green Group 137A. Weak foliaceous
 appendages on three of the five
 sepals. Surfaces of sepals slightly
 pubescent. A few stipitate glands
 present. Distal ends of sepals have
 foliaceous appendages.

Receptacle:

Surface: Smooth.

Shape: Broadly funnel shaped.

20 Size: 7 mm (h) x 8 mm to 9 mm (w).

Color: Green Group 138 A.

Peduncle:

Surface: Smooth.

Length: 50 mm to 70 mm average length.

25 Color: Green Group 138 A.

Strength: Upright.

Borne: Typically with a single bud per
flowering stem.

Flower bloom:

Fragrance: Light scent.

5 Duration: As a pot plant, flowers last from 11
to 14 days. As a cut flower, flowers
last 3 to 4 days.

Size: Large for a 15 cm pot rose. Average
flower diameter is 60 mm to 70 mm
when open.

Form:

Shape of flower when viewed from the side:

Upon opening, upper part: Convex.

Upon opening, lower part: Convex.

15 Open flower, upper part: Convex.

Open flower, lower part: Flat.

Petalage: Double. 25 to 30 petals under normal
conditions with 2-3 petaloids.

Color:

20 Upon opening, petals:

Outermost petals:

Upper Surface: Blend of Yellow-Orange Group
20B and Orange Group 24C.

Reverse Side: Orange-Red Group 32 B/C.

25 Innermost petals:

Upper Surface: Yellow-Orange Group 19 A/B.

Reverse Side: Orange-Red Group 32 B/C.

Basal petal spots; Outermost petals:

Outer Side: Yellow-Green Group 1C.

Inner Side: Yellow-Green Group 1C to
Yellow-Green Group 2A.

Basal petal spots; Innermost petals:

Outer Side: Yellow-Green Group 1C.

Inner Side: Yellow-Green Group 2A.

After opening, petals:

Outermost petals:

Upper Surface: Yellow-Orange Group 21C.

Reverse Side: Orange-Red Group 35C with
inotations of Yellow-Orange
21C. Petal edges are Yellow-
Orange 21C.

Innermost petals:

Upper Surface: Yellow group 13C.

Reverse Side: Orange-Red Group 34D.

Basal petal spots; Outermost petals:

Outer Side: Yellow Group 7B.

Inner Side: Yellow Group 7B/2A.

Basal petal spots; Innermost petals:

Outer Side: Yellow Group 13B.

Inner Side: Yellow Group 7B.

General Tonality: On open flower blend of
Yellow-Orange Group 20B,

Orange Group 24C, and
Yellow-Orange Group 21C. No
change in the general
tonality at the end of 4 - 5
days. Afterwards, general
tonality is Orange Group 24B
and Yellow-Orange 16B.

5

Petals:

Petal Reflex: Reflexed.

10 Petal Edge: Slightly ruffled.

Shape: Deltoid.

Petaloids: 2-3 petaloids.

Thickness: Average.

Arrangement: Informal.

15 **Reproductive Organs:**

Pollen:

Color: Greyed-Orange Group 163A.

Quantity: Abundant.

Anthers:

20 Size: Medium.

Color: Greyed-Yellow Group 162B to
Yellow 13B.

Filaments:

Color: Yellow-Green Group 1C.

25 Stigmas: At same position as anthers.

Color: Yellow-Green Group 145C.

Styles:

Color: Yellow-Green Group 145C.

5 Other intonations: Slight intonations in upper
third of Greyed-Red Group
181A.

PLANT

10 Plant growth: Vigorous, compact, upright.
When grown as a 15 cm pot
plant, the average height of
the plant itself is 24 cm
to 26 cm and the average
width is 26 cm to 28 cm.

Stems:

15

Color:

Young wood: Green Group 137A-B.

Older wood: Green Group 137A-B.

Prickles:

20 Incidence: Few prickles.

Size: Average length: 5 mm to
6 mm.

Color: Yellow-Green Group 149D.
With anthocyanin intonations
of Greyed-Red Group 179C.

25 Shape: Linear.

Surface:

Young wood: Smooth.

Older wood: Smooth.

Plant foliage:

5

Number of leaflets on
typical leaves in middle of
the stem: 5 leaflets, with a
range of 3 to 7 leaflets.

Leaf size:

110 mm to 120 mm (l) x 85 mm
to 100 mm (w).

10

Quantity:

Above average abundance.

Color:

Upper Leaf Surface: Green Group 137A-139A.

Lower Leaf Surface: Yellow-Green Group 147B-C.

Juvenile foliage:

15

Upper Leaf Surface: Green Group 143A-B.

Lower Leaf Surface: Yellow-Green Group 146B.

Anthocyanin intonation:

Location: Underside leaflets, leaflet
margins, rachis & petiole.

20

Color: Greyed-Red Group 179B.

Plant leaves and leaflets:

Stipules:

Size: 8 mm to 10 mm.

Color: Green Group 137A.

25

Stipitate glands: Stipitate glands present on

margins. Fine hairs present
in center of stipule.
Underside is smooth.

Petiole:

5 Length: 24 mm to 26 mm.

 Color: Green Group 137A. On plants
 grown under high light
 conditions, intonations of
 Greyed-Red Group 179B.

10 Underneath: Smooth.

 Margins: A few stipitate glands
 present on margins.

Rachis:

 Color: Green Group 137A. On plants
15 grown under high light
 conditions, intonations of
 Greyed-Red Group 179B.

 Underneath: Generally smooth, some
 prickles and stipitate
20 glands present.

 Margins: Stipitate glands present on
 margins.

Leaflet:

 Edge: Serrated.

25 Shape: Broadly ovate.

Other:

Glossy and moderately thick.

On plants grown under high

light conditions,

intimations of Greyed-Red

Group 179B.

5

Disease resistance:

Above average resistance to mildew, black spot, and Botrytis under normal growing conditions in Half Moon Bay, California.